

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A composition for the oxidation dyeing of keratin fibers comprising, in a medium suitable for dyeing:

- a) at least one oxidation dye,
- b) at least one cationic associative polymer comprising at least one

fatty chain and chosen from:

(i) quaternized celluloses modified with groups comprising at least one fatty chain,

(ii) quaternized hydroxyethylcelluloses modified with groups comprising at least one fatty chain, and

(iii) cationic polyurethanes;[[,]] and

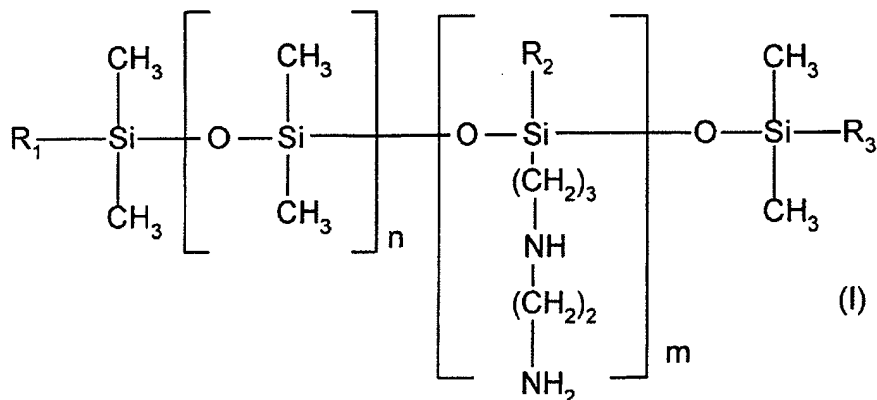
- c) at least one aminosilicone,

wherein the weight ratio of the at least one aminosilicone to the at least one associative polymer is greater than or equal to 1.

2. (Previously Presented) The composition according to Claim 1, wherein the keratin fibers are human keratin fibers.

3. (Previously Presented) The composition according to Claim 2, wherein the human keratin fibers are hair.

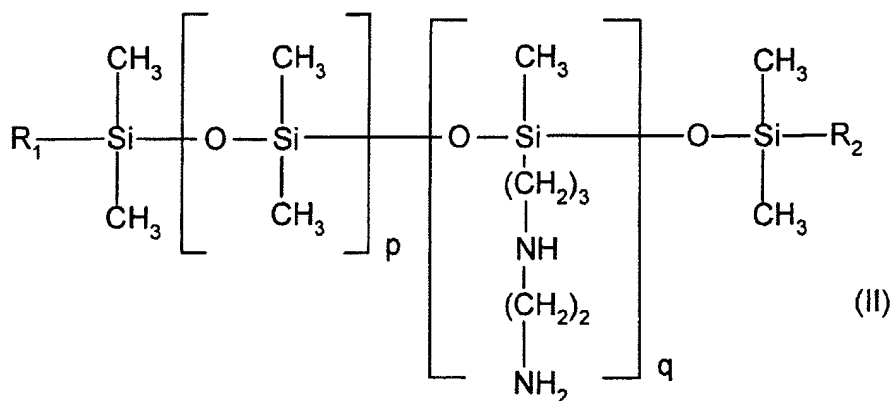
4. (Previously Presented) The composition according to Claim 1, wherein the at least one aminosilicone is chosen from aminosilicones of formula (I), (II) and (III) below:



wherein in formula (I):

m and n are numbers such that the sum (n+m) may vary from 1 to 1,000, it being possible for n to be a number from 0 to 999 and for m to be a number from 1 to 1,000; and

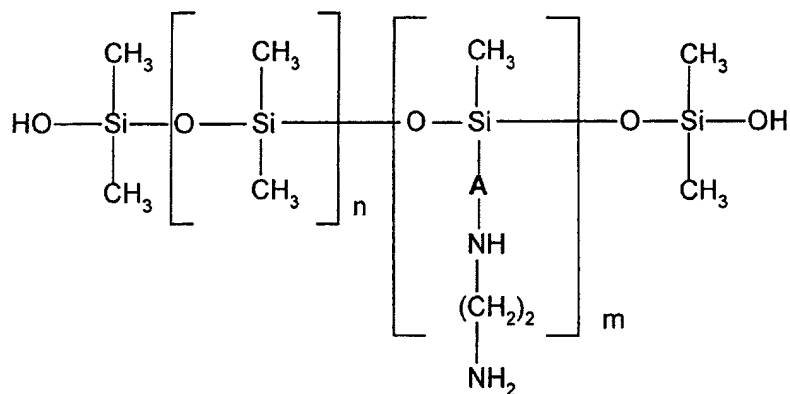
R₁, R₂ and R₃, which are identical or different, are chosen from a hydroxyl radical and from C₁-C₄ alkoxy radicals, wherein at least one of the radicals R₁ to R₃ is an alkoxy radical;



wherein in formula (II):

p and q are numbers such that the sum (p+q) may vary from 1 to 1,000, it being possible for p to be a number from 0 to 999 and for q to be a number from 1 to 1,000;

R₁ and R₂, which are different, are chosen from a hydroxyl radical and from C₁-C₄ alkoxy radicals, wherein at least one of the radicals, R₁ or R₂, is an alkoxy radical;



(III)

wherein in formula (III):

A is a linear or branched C₄-C₈ alkylene radical,

m and n are numbers such that the sum (n+m) may vary from 1 to 2,000, it being possible for n to be a number ranging from 0 to 1999 and for m to be a number ranging from 1 to 2,000.

5. (Previously Presented) The composition according to Claim 4, wherein in formula (I) the sum (n+m) ranges from 50 to 250, it being possible for n to be a number from 49 to 249, and m to be a number ranging from 1 to 10;

wherein in formula (II) the sum (p+q) may vary from 50 to 350, it being possible for p to be a number from 49 to 349, and q to be a number from 1 to 10; and

wherein in formula (III) the sum (n+m) may vary from 50 to 150, it being possible for n to be a number from 49 to 149, and m to be a number from 1 to 10.

6. (Currently Amended) The composition according to Claim 4, wherein in [[in]] formula (I) the sum (n+m) ranges from 100 to 200, it being possible for n to be a number from 125 to 175, and m to be a number ranging from 1 to 5; and

wherein in formula (II) the sum (p+q) may vary from 150 to 250, it being possible for p to be a number from 159 to 239, and q to be a number from 1 to 5.

7. (Previously Presented) The composition according to Claim 4, wherein the C₁-C₄ alkoxy radical of formulae (I) and (II) is a methoxy radical.

8. (Previously Presented) The composition according to Claim 4, wherein for the at least one aminosilicone of formula (I), the hydroxyl/alkoxy molar ratio ranges from 0.2:1 to 0.4:1.

9. (Previously Presented) The composition according to Claim 8, wherein for the at least one aminosilicone of formula (I), the hydroxyl/alkoxy molar ratio ranges from 0.25:1 to 0.35:1.

10. (Previously Presented) The composition according to Claim 9, wherein for the at least one aminosilicone of formula (I), the hydroxyl/alkoxy molar ratio is 0.3:1.

11. (Previously Presented) The composition according to Claim 4, wherein for the at least one aminosilicone of formula (II), the hydroxyl/alkoxy molar ratio ranges from 1:0.8 to 1:1.1.

12. (Previously Presented) The composition according to Claim 11, wherein for the at least one aminosilicone of formula (II), the hydroxyl/alkoxy molar ratio ranges from 1:0.9 to 1:1.

13. (Previously Presented) The composition according to Claim 12, wherein for the at least one aminosilicone of formula (II), the hydroxyl/alkoxy molar ratio is 1:0.95.

14. (Previously Presented) The composition according to Claim 4, wherein the at least one aminosilicone of formula (I) has a weight-average molecular mass ranging from 2,000 to 1,000,000.

15. (Previously Presented) The composition according to Claim 14, wherein the at least one aminosilicone of formula (I) has a weight-average molecular mass ranging from 3,500 to 200,000.

16. (Previously Presented) The composition according to Claim 4, wherein the at least one aminosilicone of formula (II) has a weight-average molecular mass ranging from 2,000 to 200,000.

17. (Previously Presented) The composition according to Claim 16, wherein the at least one aminosilicone of formula (II) has a weight-average molecular mass ranging from 5,000 to 100,000.

18. (Previously Presented) The composition according to Claim 17, wherein the at least one aminosilicone of formula (II) has a weight-average molecular mass ranging from 10,000 to 50,000.

19. (Previously Presented) The composition according to Claim 4, wherein in the formula (III), A is a linear or branched C₄ alkylene radical.

20. (Previously Presented) The composition according to Claim 4, wherein the viscosity of the at least one aminosilicone of formula (III) is greater than 25 000 mm²/s at 25°C.

21. (Previously Presented) The composition according to Claim 20, wherein the viscosity of the at least one aminosilicone of formula (III) ranges from 30,000 to 200,000 mm²/s at 25°C.

22. (Previously Presented) The composition according to Claim 21, wherein the viscosity of the at least one aminosilicone of formula (III) ranges from 30,000 to 150,000 mm²/s at 25°C.

23. (Previously Presented) The composition according to Claim 1, wherein the at least one aminosilicone is present in the composition in an amount ranging from 0.1% to 10% by weight relative to the total weight of the composition.

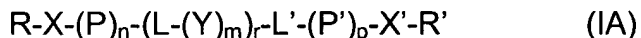
24. (Previously Presented) The composition according to Claim 23, wherein the at least one aminosilicone is present in the composition in an amount ranging from 0.5% to 5% by weight relative to the total weight of the composition.

Claims 25-42 (Canceled).

43. (Currently Amended) The composition according to Claim 1~~[[42]]~~, wherein an alkyl group of the quaternized celluloses or hydroxyethylcelluloses contains from 8 to 30 carbon atoms.

44. (Currently Amended) The composition according to Claim 1~~[[42]]~~, wherein the quaternized hydroxyethylcellulose is modified with a C₁₂ or C₁₈ alkyl group resulting in a cationic amphiphilic polymer.

45. (Currently Amended) The composition according to Claim 1~~[[42]]~~, wherein the cationic polyurethane is a polymer of formula (IA) below:



wherein:

R and R', which may be identical or different, are chosen from a hydrophobic group and a hydrogen atom;

X and X', which may be identical or different, are chosen from a group comprising an amine function optionally bearing a hydrophobic group, and alternatively the group L";

L, L' and L", which may be identical or different, are each a group derived from a diisocyanate;

P and P', which may be identical or different, are each a group comprising an amine function optionally bearing a hydrophobic group;

Y is a hydrophilic group;

r is an integer ranging from 1 to 100, and

n, m and p each are, independently of each other, a number ranging from 0 to 1000;

wherein the molecule contains at least one protonated or quaternized amine function and at least one hydrophobic group.

46. (Previously Presented) The composition according to Claim 45, wherein r is an integer ranging from 1 to 50.

47. (Previously Presented) The composition according to Claim 46, wherein r is an integer ranging from 1 to 25.

Claims 48-55 (Canceled).

56. (Previously Presented) The composition according to Claim 1, wherein the at least one associative polymer is present in the composition in an amount ranging from 0.05% to 10% by weight relative to the total weight of the composition.

57. (Previously Presented) The composition according to Claim 56, wherein the at least one associative polymer is present in the composition in an amount ranging from 0.1% and 5% by weight relative to the total weight of the composition.

58. (Canceled).

59. (Canceled).

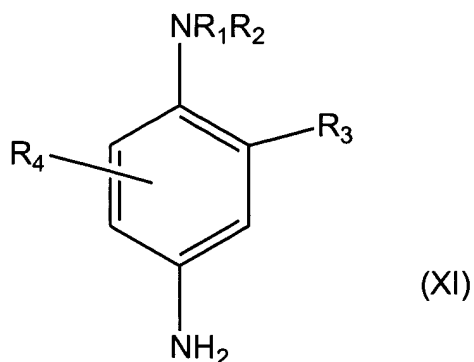
60. (Previously Presented) The composition according to Claim 1, wherein the ratio by weight of the at least one aminosilicone to the at least one associative polymer ranges from 1 to 10.

61. (Previously Presented) The composition according to Claim 1, wherein the at least one oxidation dye is chosen from oxidation bases and couplers.

62. (Previously Presented) The composition according to Claim 61, further comprising at least one oxidation base.

63. (Previously Presented) The composition according to Claim 61, wherein the oxidation bases are chosen from ortho- and para-phenylenediamines, double bases, ortho- and para-aminophenols, heterocyclic bases, and also the acid addition salts of these compounds.

64. (Previously Presented) The composition according to Claim 63, wherein the para-phenylenediamines are chosen from the compounds of formula (XI) below:



wherein:

- R₁ is chosen from a hydrogen atom, a C₁-C₄ alkyl radical, a C₁-C₄ monohydroxyalkyl radical, a C₂-C₄ polyhydroxyalkyl radical, a (C₁-C₄)alkoxy(C₁-C₄)alkyl radical, and a C₁-C₄ alkyl radical substituted with a nitrogenous, phenyl or 4'-aminophenyl group;

- R₂ is chosen from a hydrogen atom, a C₁-C₄ alkyl radical, a C₁-C₄ monohydroxyalkyl radical, a C₂-C₄ polyhydroxyalkyl radical, a (C₁-C₄)alkoxy(C₁-C₄)alkyl radical, and a C₁-C₄ alkyl radical substituted with a nitrogenous group;

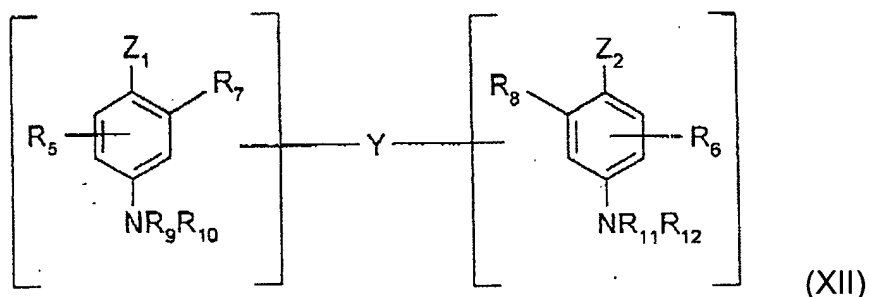
R₁ and R₂ may also form, with the nitrogen atom that bears them, a 5- or 6-membered nitrogen heterocycle optionally substituted with at least one group chosen from alkyl, hydroxyl and ureido groups;

- R₃ is chosen from a hydrogen atom, a halogen atom, a C₁-C₄ alkyl radical, a sulpho radical, a carboxyl radical, a C₁-C₄ monohydroxyalkyl radical, a C₁-C₄

hydroxyalkoxy radical, an acetylamino(C₁-C₄)alkoxy radical, a mesylamino(C₁-C₄)alkoxy radical, and a carbamoylamino(C₁-C₄)alkoxy radical, and

- R₄ is chosen from a hydrogen atom, a halogen atom, and a C₁-C₄ alkyl radical.

65. (Previously Presented) The composition according to Claim 63, wherein the double bases are chosen from the compounds of structure (XII) below:



wherein:

- Z₁ and Z₂, which may be identical or different, are chosen from a hydroxyl radical, and a -NH₂ radical which may be substituted with at least one entity chosen from a C₁-C₄ alkyl radical and a linker arm Y;

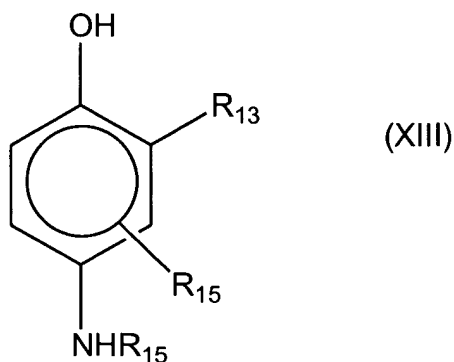
- the linker arm Y is a linear or branched alkylene chain containing from 1 to 14 carbon atoms, which may be interrupted by or terminated with at least one nitrogenous group and/or at least one heteroatom, and optionally substituted with at least one hydroxyl or C₁-C₆ alkoxy radicals;

- R₅ and R₆, which may be identical or different, are chosen from a hydrogen atom, a halogen atom, C₁-C₄ alkyl radicals, C₁-C₄ monohydroxyalkyl radicals, C₂-C₄ polyhydroxyalkyl radicals, C₁-C₄ aminoalkyl radicals, and a linker arm Y; and

- R₇, R₈, R₉, R₁₀, R₁₁ and R₁₂, which may be identical or different, are chosen from a hydrogen atom, a linker arm Y, and C₁-C₄ alkyl radicals;

with the proviso that the compounds of formula (XII) contain only one linker arm Y per molecule.

66. (Previously Presented) The composition according to Claim 63, wherein the para-aminophenols are chosen from the compounds of structure (XIII) below:



wherein:

R₁₃ is chosen from a hydrogen atom, a halogen atom, a C₁-C₄ alkyl, C₁-C₄ monohydroxyalkyl, (C₁-C₄)alkoxy(C₁-C₄)alkyl, C₁-C₄ aminoalkyl, and a hydroxy(C₁-C₄)alkylamino(C₁-C₄)alkyl radical,

R₁₄ is chosen from a hydrogen atom, a halogen atom, a C₁-C₄ alkyl, C₁-C₄ monohydroxyalkyl, C₂-C₄ polyhydroxyalkyl, C₁-C₄ aminoalkyl, C₁-C₄ cyanoalkyl, and a (C₁-C₄)alkoxy(C₁-C₄)alkyl radical, and

R₁₅ is chosen from a hydrogen atom and a C₁-C₄ alkyl radical.

67. (Previously Presented) The composition according to Claim 63, wherein the heterocyclic bases are chosen from pyridine derivatives, pyrimidine derivatives, and pyrazole derivatives.

68. (Previously Presented) The composition according to Claim 61, wherein the oxidation bases are present in the composition in an amount ranging from 0.0005% to 12% by weight relative to the total weight of the composition.

69. (Previously Presented) The composition according to Claim 68, wherein the oxidation bases are present in the composition in an amount ranging from 0.005% to 8% by weight relative to the total weight of the composition.

70. (Previously Presented) The composition according to Claim 61, wherein the couplers are chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, heterocyclic couplers, and the acid addition salts thereof.

71. (Previously Presented) The composition according to Claim 61, wherein the couplers are present in the composition in an amount ranging from 0.0001% to 10% by weight relative to the total weight of the composition.

72. (Previously Presented) The composition according to Claim 71, wherein the couplers are present in the composition in an amount ranging from 0.005% to 5% by weight relative to the total weight of the composition.

73. (Previously Presented) The composition according to Claim 63, wherein the acid addition salts of the oxidation bases are chosen from hydrochlorides, hydrobromides, sulphates, tartrates, lactates and acetates.

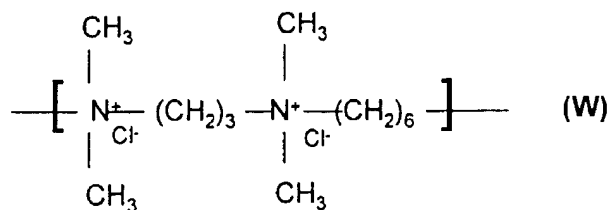
74. (Previously Presented) The composition according to Claim 70, wherein the acid addition salts of the couplers are chosen from hydrochlorides, hydrobromides, sulphates, tartrates, lactates and acetates.

75. (Previously Presented) The composition according to Claim 1, further comprising at least one direct dye.

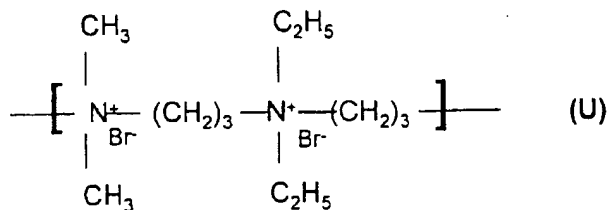
76. (Previously Presented) The composition according to Claim 1, further comprising at least one amphoteric or cationic substantive non-silicon based polymer different from the claimed at least one associative polymer.

77. (Previously Presented) The composition according to Claim 76, wherein the at least one substantive polymer is the homopolymer of dimethyldiallylammonium chloride.

78. (Previously Presented) The composition according to Claim 76, wherein the at least one substantive polymer is a polymer of quaternary polyammonium comprising repeating units corresponding to formula (W) below:



79. (Previously Presented) The composition according to Claim 76, wherein the at least one substantive polymer is a polymer of quaternary polyammonium comprising repeating units corresponding to formula (U) below:



80. (Previously Presented) The composition according to Claim 76, wherein the at least one cationic or amphoteric substantive polymer is present in the composition in an amount ranging from 0.01% to 10% by weight of the total weight of the composition.

81. (Previously Presented) The composition according to Claim 80, wherein the at least one cationic or amphoteric substantive polymer is present in the composition in an amount ranging from 0.05% to 5% by weight of the total weight of the composition.

82. (Previously Presented) The composition according to Claim 81, wherein the at least one cationic or amphoteric substantive polymer is present in the composition in an amount ranging from 0.1% to 3% by weight of the total weight of the composition.

83. (Previously Presented) The composition according to Claim 1, further comprising at least one surfactant chosen from anionic, amphoteric, non-ionic, zwitterionic, and cationic surfactants.

84. (Previously Presented) The composition according to Claim 83, wherein the at least one surfactant is non-ionic.

85. (Previously Presented) The composition according to Claim 83, wherein the at least one surfactant is present in the composition in an amount ranging from 0.01% to 40% by weight relative to the total weight of the composition.

86. (Previously Presented) The composition according to Claim 85, wherein the at least one surfactant is present in the composition in an amount ranging from 0.5% to 30% by weight relative to the total weight of the composition.

87. (Previously Presented) The composition according to Claim 1, further comprising at least one thickener.

88. (Previously Presented) The composition according to Claim 87, wherein the at least one thickener is chosen from a cellulosic thickener, a guar gum derivative, a gum of microbial origin, and a synthetic thickener.

89. (Previously Presented) The composition according to Claim 87, wherein the at least one thickener is present in the composition in an amount ranging from 0.01% to 10% by weight relative to the total weight of the composition.

90. (Previously Presented) The composition according to Claim 1, further comprising at least one reducing agent present in the composition in an amount ranging from 0.05% to 1.5% by weight relative to the total weight of the composition.

91. (Currently Amended) A ready-to-use composition comprising

a) at least one oxidation dye,

b) at least one cationic associative polymer[[,]] comprising at least one fatty chain

and chosen from:

(i) quaternized celluloses modified with groups comprising at least one fatty chain,

(ii) quaternized hydroxyethylcelluloses modified with groups comprising at least one fatty chain, and

(iii) cationic polyurethanes[[,]]

c) at least one aminosilicone,

wherein the at least one aminosilicone/at least one associative polymer weight ratio is greater than or equal to 1, and

d) at least one oxidizing agent.

92. (Previously Presented) The composition according to Claim 91, wherein the at least one oxidizing agent is chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, ferricyanides, persalts, and redox enzymes together where appropriate with the respective donor or co-factor thereof.

93. (Previously Presented) The composition according to Claim 91, wherein the at least one oxidizing agent is hydrogen peroxide.

94. (Previously Presented) The composition according to Claim 93, wherein the at least one oxidizing agent is an aqueous hydrogen peroxide solution whose titre ranges from 1 to 40 volumes.

95. (Previously Presented) The composition according to Claim 94, wherein the composition has a pH ranging from 4 to 11.

96. (Currently Amended) A process for the oxidation dyeing of keratin fibers comprising:

(i) applying to the keratin fibers at least one composition (A) comprising, in a medium suitable for dyeing,

a) at least one oxidation dye,

b) at least one cationic associative polymer comprising at least one

fatty chain and chosen from:

(i) quaternized celluloses modified with groups comprising at least one fatty chain,

(ii) quaternized hydroxyethylcelluloses modified with groups
comprising at least one fatty chain, and
(iii) cationic polyurethanes;[[,]] and

c) at least one aminosilicone,

wherein the weight ratio of the at least one aminosilicone to the at least one associative polymer is greater than or equal to 1;

(ii) applying to the keratin fibers at least one composition (B) comprising at least one oxidizing agent.

97. (Previously Presented) The process according to Claim 96, wherein the keratin fibers are hair.

98. (Previously Presented) The process according to Claim 96, comprising mixing, at the time of use, the at least one composition (A) and the at least one composition (B).

99. (Previously Presented) The process according to Claim 96, wherein the at least one composition (B) is applied sequentially before or after the at least one composition (A), with or without intermediate rinsing.

100. (Previously Presented) The process according to Claim 96, wherein the color of the fibers is developed at an alkaline, neutral or acidic pH.

101. (Currently Amended) A multicompartiment kit comprising:

(i) a first compartment comprising at least one composition (A) comprising, in a medium suitable for dyeing,

- a) at least one oxidation dye,
- b) at least one cationic associative polymer comprising at least one

fatty chain and chosen from:

- (i) quaternized celluloses modified with groups comprising at least one fatty chain,
- (ii) quaternized hydroxyethylcelluloses modified with groups comprising at least one fatty chain, and
- (iii) cationic polyurethanes;[[,]] and

- c) at least one aminosilicone,

wherein the weight ratio of the at least one aminosilicone to the at least one associative polymer is greater than or equal to 1;

- (ii) a second compartment comprising at least one composition (B) comprising at least one oxidizing agent.

102. (Previously Presented) The composition according to Claim 1, wherein the ratio by weight of the at least one aminosilicone to the at least one associative polymer ranges from 1 to 5.